. ATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:
GLAXOSMITHKLINE Corp.Intellectual Property Dept. Attn. Dadswell, Charles E. Five Moore Drive, PO Box 13398 Research Triangle Park JUL 1 5 2005 NC 27709 UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

Research Triangle Park JUL 1 5 2005 NC 27709 UNITED STATES OF AMERICA	(PCT Rule 44.1)		
	Date of mailing (day/month/year) 07/07/2005		
Applicant's or agent's file reference PR60711WO	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US2005/005467	International filing date (day/month/year) 22/02/2005		
Applicant			
SMITHKLINE BEECHAM CORPORATION			

1.	\mathbf{x}	The applicant is hereby notified that the international search report and the written opinion of the international Searching Authority have been established and are transmitted herewith.
		Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.
		Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Fascimile No.: (41–22) 740.14.35
		For more detailed instructions, see the notes on the accompanying sheet.
2.		The applicant is hereby notified that no International search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3.		With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
		the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4.	Rem	ninders
	Inter appl	rity after the expiration of 16 month s from the priority date, the international application will be published by the mational Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international ication, or of the priority claim, must reach the international Bureau as provided in Rules 90 <i>bis.</i> 1 and 90 <i>bis.</i> 3, respectively, re the completion of the technical preparations for international publication.
	Inter inter	applicant may submit comments on an informal basis on the written opinion of the international Searching Authority to the national Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an national preliminary examination report has been or is to be established. These comments would also be made available to public but not before the expiration of 30 months from the priority date.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed

acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Alswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Chloe Pasturel

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructiona under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international phulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the International phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims, it should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amondments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 *Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers:
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added.*
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added," or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- [Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

R must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended, it must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Bule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

. ATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
PR60711WO	ACTION as well	as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US2005/005467	22/02/2005	25/02/2004
Applicant		
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SMITHKLINE BEECHAM CORPORA	MOITA	1
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Autr ansmitted to the International Bureau.	orlty and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	ı
· ·	a copy of each prior art document cited in this	report.
Basis of the report		
a. With regard to the language, the	International search was carried out on the bas ess otherwise indicated under this item.	sls of the International application in the
The international this Authority (Ru		ation of the international application furnished to
	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.
2. X Certain claims were fou	nd unsearchable (See Box II).	
3. Unity of invention is lac	king (see Box III).	
4. With regard to the title,		•
the text is approved as su	bmitted by the applicant.	
X the text has been establis	hed by this Authority to read as follows:	
SUBSTITUTED QUINOLINE	COMPOUNDS FOR USE AS SELECT	IVE ESTROGEN RECEPTOR MODULATOR
5. With regard to the abstract,		
the text is approved as su	bmitted by the applicant.	
X the text has been establis	hed, according to Rule 38.2(b), by this AuthorII	y as it appears in Box No. IV. The applicant
may, within one month fro	m the date of mailing of this international search	ch report, submit comments to this Authority.
With regard to the drawings,		
	ublished with the abstract is Figure No	
as suggested by t		
	s Authority, because the applicant failed to sug	gest a floure.
	s Authority, because this figure better characte	
	e published with the abstract.	,
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2005/005467

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present invention relates to novel compounds of Formula (I) with a variety of therapeutic uses, more particularly novel substituted quinoline compounds particularly useful for selective estrogen receptor modulation.

$$\mathbb{R}^{1}$$
 $(\mathbb{R}^{2})_{n}$
 \mathbb{R}^{3}
 (1)

NO. 1413—P. 6/8-

PCT/US2005/005467

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D215/36 C07D215/22 A61K31/	/4709 A61P35/00		
According to International Palent Classification (IPC) or to both national classifi	lackes and IDO		
B. FIELDS SEARCHED	Cation and it o		
Minimum documentation searched (classification system followed by classification $PC 7 C07D A61K A61P$	ition symbols)		
Documentation searched other than minimum documentation to the extent that			
Electronic data base consulted during the International search (name of data be EPO-Internal, CHEM ABS Data, WPI Data	ase and, where practical, search terms used)		
C, DOCUMENTS CONSIDERED TO BE RELEVANT	<u> </u>		
Category Citation of document, with indication, where appropriate of the re	elevant passages Relevant to claim No.		
A WO 02/094788 A (ELI LILLY AND CO WALLACE, OWEN, BRENDAN) 28 November 2002 (2002-11-28) the whole document	MPANY; 1,16,21, 22,24-26		
Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.		
Special categories of cited documents :	A The state of the		
"A" document defining the general state of the art which is not considered to be of particular relevance or priority date and not in conflict with the application of particular relevance or priority date and not in conflict with the application of the principle or theory under invention "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed "A" later document published and not in conflict with the application in conflict with the application in conflict with the application of particular relevance; the claimed inversion invention "Y" document of particular relevance; the claimed inversion or cannot be considered to involve an inventive step when the document is combined with one or more other states and the priority date claimed inversion in the art. "Y" document of particular relevance; the claimed inversion or cannot be considered to involve an inventive step when the document is combined with one or more other states are combined with one or more other states. "Y" document of particular relevance; the claimed inversion invention. "Y" document of particular relevance; the claimed inversion invention. "Y" document of particular relevance; the claimed inversion invention. "Y" document of particular relevance; the claimed inversion or cannot be considered to involve an inventive step when the document is combined on or more other states. "Y" document of particular relevance; the claimed inversion invention. "Y" document of particular relevance; the claimed inversion invention. "Y" document of particular relevance; the claimed inversion invention. "Y" document of particular relevance; the claimed inversion invention. "Y" document of			
Date of the actual completion of the International search	Date of mailing of the international search report		
21 June 2005 Name and malling address of the ISA	07/07/2005 Authorized officer		
European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswljk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt, Fax: (+31-70) 340-3016	Diederen, J		

AUG. 22. 2006 2:51PM GW GLOBAL R&D IS

NO. 1413 P. 7/8 nternational application No. PCT/US2005/005467

INTERNATIONAL SEARCH REPORT

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Form PCT/ISA/210 (patent family annex) (January 2004)

GW GLOBAL R&D ISSEARCH REPORT

NO. 1413—P. 8/8ational Application No

information on patent family members

PCT/US2005/005467

Patent document		Publication		Patent family	Publication
cited in search report		date		member(s)	date
WO 02094788	A	28-11-2002	EP JP WO US	1395563 A1 2004531562 T 02094788 A1 2004215018 A1	10-03-2004 14-10-2004 28-11-2002 28-10-2004
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